

## PHD STUDENT - CANCER IMMUNOGENOMICS (REF.: PHD\_EP\_38)

The Josep Carreras Leukaemia Research Institute (IJC) is a non-profit research institute based in Barcelona and dedicated to advancing our understanding about leukaemia and related disorders, in partnership with the University of Barcelona and University Autònoma of Barcelona. The IJC has laboratories in three clinical campuses: i) Clinic Hospital, ii) Sant Pau Hospital and iii) Germans Trias i Pujol Hospital. IJC serves as a collaborative hub for basic investigators and physicians to work together on fundamental biological and clinical aspects of leukaemia. The IJC offers an excellent work environment built around a multi-disciplinary fusion of ideas and state-of-the-art facilities.

### Research Description

The **Cancer Immunogenomics group**, led by **Dr. Eduard Porta-Pardo**, offers a fully-funded **PhD position for 4 years** to work in the analysis of single-cell and spatial transcriptomics data from tumor samples. Our group integrates genetic and cellular information to understand how the immune system and cancer cells interact with each other. We are located in the brand-new building of the Josep Carreras Leukaemia Research Institute (IJC), a top research institute in the Barcelona area and a highly stimulating scientific environment.

We are looking for a PhD student to analyse single-cell and spatial transcriptomics data from tumor samples. The project will be done in the context of the 10x Genomics Clinical Translational Research Network, an international network of researchers using spatial transcriptomics to study human diseases. The project requires strong computational skills as well as a good background in biology. Excellent communication skills, creative thinking and fluent English are a prerequisite.

### What we need

- MSc in Bioinformatics, Omics Data Analysis or similar.
- Excellent level of oral and written English.
- Bioinformatics skills (R, Bioconductor, etc.).

### What we offer

- A 4-year funded PhD position starting in September/October 2020.
- An exciting and innovative research project.
- Working in the mixed basic and clinical research environment of the Josep Carreras Leukaemia Research Institute.
- The stimulating environment of the Barcelona metropolitan area.

## How to apply

To apply for this opportunity, please send your CV and a cover letter and (incl. the contact details of two referees) to [jobs@carrerasresearch.org](mailto:jobs@carrerasresearch.org) including the reference REF.: PHD\_EP\_38.

## Deadline for Applications

Please submit your application by August 28th, 2020.

## Who we are?

Our mission is to carry out research into the basic, epidemiological, preventive, clinical and translational aspects of leukaemia and other hematologic malignancies.

The vision of the Josep Carreras Leukaemia Research Institute is that research will identify new therapeutic targets and enable us to develop more precise and less aggressive treatments. We aspire to understand the origin and development of leukaemia and other malignant haematological pathologies in order to be able to prevent them. We will work for a future in which all leukaemias will be curable.

For further information, please, visit our webpage: <http://www.carrerasresearch.org/en> and the Josep Carreras non-profit organization: <https://www.fcarreras.org/en>

The European Commission awarded the IJC the HR Excellence seal in July 2019. The IJC continues to work to maintain its policies in line with the Charter and Code principles. The HRS4R has the main objective of ensuring that research centers of excellence implement and respect the requirements of the European Charter for Researchers and the Code of Conduct for hiring researchers (from here on referred to as the Charter and Code) within their human resources policies.



This EC initiative aims to promote training, professional development, and mobility for all European scientists. The IJC supports these values and principles, which will not only serve to strengthen its internal policies but will actively stimulate excellent research and firmly situate the organization as an institution with a stimulating working environment that favors the development of its scientists.

**IJC is an equal opportunity employer. We evaluate qualified applicants without regard to race, color, religion, sex, national origin, disability, and other legally protected characteristics.**